

J1046 U.S. PTO  
09/21/01

Schlumberger Oilfield Services

Sugar Land Product Center  
Intellectual Property Law & Contracts  
200 Gillingham Lane  
Sugar Land, Texas 77478  
(281) 285-8500

09-24-01 09/21/01 A

**Schlumberger**

J1046 U.S. PTO  
09/21/01

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

Docket No.: 19.0302  
Total Pages = 91

Re: **Application of:** Kais Gzara and Iain Cooper  
**For:** Method of Kick Detection and Cuttings Bed Buildup Detection using a Drilling Tool  
**Full Names of Inventor(s):** Kais Gzara and Iain Cooper

- ☒ 37 CFR 1.53(b) UTILITY PATENT APPLICATION TRANSMITTAL, or
- ☐ 37 CFR 1.53(b) CONTINUING APPLICATION OF PRIOR APPLICATION  
NO. \_\_\_\_\_
- ☐ Continuation  
☐ Divisional  
☐ Continuation-in-part (CIP)

In accordance with 37 CFR 153(b) enclosed are:

- 1 ☒ Fee Transmittal Form (Original & Duplicate)= 4 pages
- 2 ☒ Patent Application Total No. Pages = 57
- 3a ☒ Informal Drawings Total No. Pages = 27
- 3b ☐ Formal Drawings Total No. Pages =
- 4 ☒ Oath or Declaration Total No. Pages = 3 (Unsigned-includes Power of Attorney)
- 4a ☐ Newly Executed (Original or Copy)
- 4b ☐ Copy from Prior Application (37 CFR 1.63(d)) for Continuation/Divisional noted above
- 4c ☐ Deletion of Inventors (Signed Statement Deleting Inventors Named in Prior Application  
37 CFR 1.63(d)(2) and 1.33(b)
- 5 ☐ Incorporation by Reference (Usable if 4b is checked) Entire Disclosure of Prior Application, from  
which a copy of the oath for declaration is supplied is considered as being part of the disclosure of the  
accompanying application and is hereby incorporated by reference therein
- 6 ☐ Amend the specification by inserting before the first line the sentence:  
This is a ☐ continuation ☐ continuation-in-part ☐ division of  
application serial no. \_\_\_\_\_ filed \_\_\_\_\_
- 7 ☐ The prior application is assigned to SCHLUMBERGER TECHNOLOGY CORPORATION.

Accompanying Application Parts

- 6 ☐ Assignment Papers (Cover Sheet & duplicate & document(s))=
- 7 ☐ 37 CFR 3.73(b) Statement  
☐ Power of Attorney
- 8 ☒ Information Disclosure Statement (IDS) & duplicate & PTO-1449= 4 pp.  
☒ Copies of 20 Citations
- 9 ☐ Preliminary Amendment
- 10 ☒ Return Receipt Postcard (MPEP 503)
- 11 ☐ English Translation Document
- 12 ☐ Certified Copy of Priority Document (if Foreign Priority is Claimed)
- 13 ☐ Other:

CLAIMS AS FILED				
(1) FOR	(2) NUMBERS FILED	(3) NUMBER EXTRA	(4) RATE	(5) TOTAL
BASIC FEE				\$710
TOTAL CLAIMS	23-20=	3	x\$18	54
INDEPENDENT CLAIMS	3-3=	0	x\$80	
ADDITIONAL FEE FOR FILING ONE OR MORE MULTIPLE DEPENDENT CLAIMS \$270				
TOTAL FILING FEE				\$764
RECORDING FEE [ ] SEE ATTACHED PTO 1595 [ X ] TO BE SUBMITTED LATER				

Please charge Deposit Account No. 19-0610 for the above written total amount and any additional fees or credit any over-payment to Deposit Account No. 19-0610.

Please send all correspondence to the following correspondence address: Office of Patent Counsel, Schlumberger Oilfield Services, P.O. Box 2175, Houston, TX 77252-2175. **Our Customer Service No. is 23718.**

"EXPRESS MAIL" Mailing Label

Number EL 889000071 US

Date of Deposit: September 21, 2001

I hereby certify that this paper or fee is being  
deposited with the United States Postal Services  
"Express Mail Post Office to Addressee" Service

Pam Rahmatdoost  
Pam Rahmatdoost

Respectfully Submitted,

Signature: Brigitte L. Jeffery

Name: Brigitte L. Jeffery

Reg. No. 38,925

Date: 21 September 2001